Please replace the paragraph bridging pages 23 and 24 with the following:

a2 If an angle ψ ($\psi \neq 90°$) is maintained by the object image relative to the sensor arrays 21b and 22b, the object image T is shifted on the first and the second sensor arrays 21b and 22b. That is, the object image T_3 is formed on the first and the second sensor arrays 21b and 22b with an image interval Z.

IN THE CLAIMS:

Please cancel claims 1-5 without prejudice or disclaimer.

Please amend claims 6-12, 15 and 16 as follows:

a3 sub B1 6. (Amended) An image sensing device comprising:

a first optical system for forming a first object image;

a first area sensor arranged in the approximate image forming plane of the first optical system for receiving the light of the first object image;

a second optical system for forming a second object image;

a second area sensor arranged in the approximate image forming plane of the second optical system for receiving the light of the second object image;

a signal reader for reading a first photoreception signal group from said first area sensor, a second photoreception signal group from said second area sensor and a third photoreception signal group from said second area sensor;

a position detector for detecting a position of a first portion of the second object image relative to the first image based upon the second photoreception signal group and the

B1 a3 cont

first photoreception signal group and for detecting a position of a second portion of the second object image relative to the first object image based upon the third photoreception signal group and the first photoreception signal group; and

an angle detector for detecting a magnitude of an angle of the second object image incident upon said second area sensor based on the detected positions.

7. (Amended) An image sensing device according to claim 6, wherein said angle detector detects the angle of the second object image relative to said area sensors by means of data of relative positional relationship of said optical systems and said area sensors.

8. (Amended) An image sensing device according to claim 6, wherein at least part of the second and the third photoreception signal groups include photoreception signals from a same part of the second area sensor.

Sub B2

9. (Amended) A distance measuring device comprising:

a first optical system for forming a first object image;

a first area sensor arranged in the approximate image forming plane of the first optical system for receiving the light of the first object image;

a second optical system for forming a second object image;

B2
a3
cont

a second area sensor arranged in the approximate image forming plane of the second optical system for receiving the light of the second object image;

a signal reader for reading a first photoreception signal group from said first area sensor, a second photoreception signal group from said second area sensor and a third photoreception signal group from said second area sensor;

a position detector for detecting a position of a first portion of the second object image relative to the first image based upon the second photoreception signal group and the first photoreception signal group and for detecting a position of a second portion of the second object image relative to the first object image based upon the third photoreception signal group and the first photoreception signal group;

an angle detector for detecting a magnitude of an angle of the second object image incident upon said second area sensor based on the detected positions; and

a distance detector for calculating an object distance based on a distance between analogous object images formed on the first and the second area sensors.

10. (Amended) A distance measuring device according to claim 9, wherein said distance detector includes a distance correcter for correcting the distance between analogous object images formed on the first and the second area sensors to a corrected distance that would be obtained if the second object image were oriented at a predetermined angle relative to said second area sensor, and that calculates the object distance using the corrected distance.

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concld

11. (Amended) An image sensing device comprising:

an optical system for forming an object image;

a first sensor array arranged in the approximate image forming plane of the optical system for receiving the light of the object image;

a second sensor array arranged in the approximate image forming plane of the optical system for receiving the light of the object image;

a signal reader for reading a first photoreception signal series from said first sensor array and a second photoreception signal series from said second sensor array;

a position detector for detecting a position of a portion of the object image relative to another portion of the object image based upon the second photoreception signal series and the first photoreception signal series; and

an angle detector for detecting a magnitude of an angle of the object image relative to said sensor arrays based on the detected position.

12. (Amended) An image sensing device according to claim 11, wherein said angle detector detects the angle of the object image relative to said sensor arrays by means of data of relative positional relationship of said sensor arrays in said image sensing device.

a4
Sub B3

15. (Amended) An image sensing device comprising:

an optical system for forming an object image;

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an area sensor arranged in the approximate image forming plane of the optical system for receiving the light of the object image;

a signal reader for reading a first photoreception signal group from said area sensor and a second photoreception signal group from said area sensor;

a position detector for detecting a position of a portion of the object image relative to another portion of the object image based upon the second photoreception signal group and the first photoreception signal group; and

an angle detector for detecting a magnitude of an angle of the object image relative to said area sensor based on the detected position.

16. (Amended) An image sensing device according to claim 15, wherein said angle detector detects the angle of the object image relative to said area sensor by means of data of relative positional relationship of the detected position and said area sensor in said image sensing device.